

PRODUCT DATA SHEET

GEOTEX® 2x2HF

GEOTEX 2x2HF is a woven polypropylene geotextile containing heavy monofilament/fibrillated yarns produced by Propex, and will meet the following Minimum Average Roll Values (MARV) when tested in accordance with the methods listed below. The individual yarns are woven in a unique twill pattern to form a strong geotextile. These characteristics make **GEOTEX 2x2HF** ideal for the construction of embankments over soft soils, steepened slopes, and modular block and/or wrapped-face retaining walls. The geotextile is resistant to ultraviolet degradation and to biological and chemical environments for normally found in soils.

GEOTEX 2X2HF conforms to the property values listed below.¹ Propex performs internal Manufacturing Quality Control (MQC) tests that have been accredited by the Geosynthetic Accreditation Institute – Laboratory Accreditation Program (GAI-LAP).

| PROPERTY | TEST METHOD | MARV ² | |
|--|-------------|------------------------|---------------------------|
| | | ENGLISH | METRIC |
| Mechanical | | | |
| Tensile Strength (Grab) | ASTM D-4632 | 315 x 315 lbs | 1400 x 1400 N |
| Elongation | ASTM D-4632 | 15 x 15% | 15 x 15% |
| Wide Width Tensile | ASTM D-4595 | 2400 x 2400 lbs/ft | 35 x 35 kN/m |
| Wide Width Elongation | ASTM D-4595 | 12 x 8% | 12 x 8% |
| Wide Width Tensile Strength at 5% Strain | ASTM D-4595 | 774 x 1404 lbs/ft | 10.8 x 20.5 kN/m |
| Puncture | ASTM D-4833 | 140 lbs | 622 N |
| Mullen Burst | ASTM D-3786 | 800 psi | 5510 kPa |
| Trapezoidal Tear | ASTM D-4533 | 125 x 125 lbs | 556 x 556 N |
| Endurance | | | |
| UV Resistance | ASTM D-4355 | 80% | 80% |
| Hydraulic | | | |
| Apparent Opening Size (AOS) ³ | ASTM D-4751 | 40 US Std. Sieve | 0.425 mm |
| Permittivity | ASTM D-4491 | 0.70 sec ⁻¹ | 0.70 sec ⁻¹ |
| Water Flow Rate | ASTM D-4491 | 50 gpm/ft ² | 2035 l/min/m ² |
| Roll Sizes | | 15 ft x 300 ft | 4.57 m x 91.5 m |

NOTES:

1. The property values listed above are effective 08/2006 and are subject to change without notice.
2. Values for machine (warp) and cross-machine (fill), respectively, under dry or saturated conditions. Minimum average roll values (MARV) are calculated as the typical minus two standard deviations. Statistically, it yields a 97.7% degree of confidence that any samples taken from quality assurance testing will exceed the value reported.
3. Maximum average roll value.



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